


Client Code: ADIRE.019A

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>David Hwa Chieh Shih</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>() Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Analog Devices, Inc.</p> <p>Street Address: One Technology Way</p> <p>P.O. Box 9106</p> <p>City: Norwood State: MA</p> <p>ZIP: 02062-9106</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>() Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment () Security Agreement</p> <p>() Merger () Change of Name</p> <p>() Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>August 27, 2010</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/871,650</p> <p>Filing Date: August 30, 2010</p> <p>Additional numbers attached?</p> <p>() Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995</p> <p>Address: Knobbe, Martens, Olson & Bear, LLP</p> <p>2040 Main Street, 14th Floor</p> <p>Irvine, CA 92614</p> <p>Return Fax: (949) 760-9502</p> <p>Attorney's Docket No.: ADIRE.019A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.</p> <p><u>David R. Trossen</u> Name of Person Signing</p> <p> Signature</p> <p><u>August 30, 2010</u> Date</p> <p>59,406 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Director, U.S. Patent and Trademark Office
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 Alexandria, VA 22313-1450
Facsimile Number: (571) 273-0140

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PATENT
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Serial No.: 121871,650
Filing Date: August 30, 2010

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ASSIGNMENT

WHEREAS, David Hwa Chieh Shih, a Brazilian citizen, residing at 640 Sutter Creek Lane, San Ramon, CA 94583, (individual hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to LOW-LEAKAGE DIODES AND METHODS OF FORMING THE SAME (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application"); and we hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, having a place of business at 2040 Main Street, 14th Floor, Irvine, California 92614, to fill in the application number and filing date of the Application in the header of this document after such information becomes available;

AND WHEREAS, ANALOG DEVICES, INC., a Massachusetts Corporation, with its principal place of business at One Technology Way, Norwood, MA 02062-9106 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

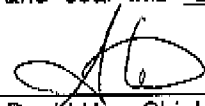
AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything

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possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of
AUGUST, 2010



David Hwa Chieh Shih

Sign in presence of a Notary and have
Notary attach Acknowledgement

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CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

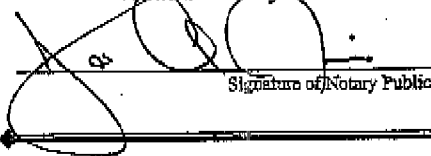
State of California

County of SANTA CLARAOn August 27, 2010 before me, JAMES A. FULER, Notary Public
(Here insert name and title of the officer)personally appeared DAVID HWA CHIH SHIH

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature of Notary Public

(Notary Seal)

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Assignment

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 2 Document Date 8-27-10

(Additional information)

INSTRUCTIONS FOR COMPLETING THIS FORM

Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

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- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
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- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ✦ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ✦ Indicate title or type of attached document, number of pages and date.
 - ✦ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document.

CAPACITY CLAIMED BY THE SIGNER

- ☒ Individual(s)
☐ Corporate Officer

(Title)

- ☐ Partner(s)
☐ Attorney-in-Fact
☐ Trustee(s)
☐ Other _____